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DEGUSSA AG
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PATENTE und MARKEN
Standort Hanau
Postfach 13 45

63403 Hanau

Eingang bei
Intellectual Property
Management

22. FEB. 2005

Standort Wolfgang

Nr. der Anmeldung / Application No. / Demande de brevet n

PCT/EP 2005 / 0 0 1 6 8 8

Tag des Eingangs / Date of receipt / Date de réception

18. 02. 05

Zeichen des Anmelders / Vertreters - Applicant / Representative
ref. No. - Référence du demandeur ou du mandataire

040065 AM

Anmelder / Applicant / Demandeur : DEGUSSA AG

Datum / Date 17.02.2005

Empfangsbescheinigung / Receipt for documents / Récépissé de documents

Das Europäische Patentamt bescheinigt hiermit den Empfang folgender Dokumente :

The European Patent Office hereby acknowledges the receipt of the following :

L'Office européen des brevets accuse réception des documents indiqués ci-dessous :

A. Internationale Anmeldung / International application / Demande internationale

Stückzahl / No. of
copies / Nombre
d'exemplaires

- | | |
|--|---|
| <input checked="" type="checkbox"/> Antrag / Request / Requête | 1 |
| <input checked="" type="checkbox"/> Beschreibung (ohne Sequenzprotokollteil
Description (excluding sequence listing part)
Description (sauf partie réservée au listage
des séquences) | 3 |
| <input checked="" type="checkbox"/> Patentansprüche / Claim(s) / Revendication(s) | 3 |
| <input checked="" type="checkbox"/> Zusammenfassung / Abstract / Abrégé | 3 |
| <input checked="" type="checkbox"/> Zeichnung(en) / Drawing(s) / Dessin(s) | 3 |
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Sequence listing part of description
Partie de la description réservée au listage
des séquences | 3 |

☐ Beigefügte Unterlagen / Accompanying
items / Eléments joints

B. Beigefügte Dokumente / Accompanying documents / Documents joints

- ☒ Blatt für die Gebührenberechnung
Fee calculation sheet
Feuille de calcul des taxes
- ☐ Gesonderte unterzeichnete Vollmacht
Separate signed power of attorney
Pouvoir distinct signé

☒ Kopie der allgemeinen Vollmacht (AV 43529)
Copy of general power of attorney
Copie du pouvoir général

☐ Prioritätsbeleg(e)
Priority document(s) (will follow)
Document(s) de priorité

☒ Gesonderte Angaben zu hinterlegten
Mikroorganismen oder anderem biologischen
Material
Separate indications concerning deposited micro-
organism or other biological material
Indications séparées concernant des micro-
organismes ou autre matériel biologique déposés

☒ Protokoll der Nucleotid- und/oder
Aminosäuresequenzen in computerlesbarer Form
Nucleotide and/or amino acid sequence listing in
computer readable form
Listage des séquences de nucléotides ou d'acides
aminés sous forme déchiffable par ordinateur

☒ Abbuchungsauftrag
Debit order
Ordre de débit

Währung/Currency/Monnaie
Betrag/Amount/Montant

EUR 2.928,00

☐ Scheck
Cheque
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Ausfüllung freigestellt/
Optional/facultatif

☒ Sonstige Unterlagen (einzeln aufführen)
Other documents (specify)
Autres documents (préciser)

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Intellectual Property Management
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Anmelder / Applicant / Demandeur : DEGUSSA AG

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Description (sauf partie réservée au listage
des séquences) | 3 |
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| <input checked="" type="checkbox"/> Zusammenfassung / Abstract / Abrégé | 3 |
| <input checked="" type="checkbox"/> Zeichnung(en) / Drawing(s) / Dessin(s) | 3 |
| <input checked="" type="checkbox"/> Sequenzprotokollteil der Beschreibung
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des séquences | 3 |
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computer readable form
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PCT REQUEST

Original (for SUBMISSION)

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.169)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	European Patent Office (EPO) (RO/EP)
0-7	Applicant's or agent's file reference	040065 AM
I	Title of Invention	EXPRESSION OF NITRILE HYDRATASES IN A TWO-VECTOR EXPRESSION SYSTEM
II	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	DEGUSSA AG
II-5	Address	Bennigsenplatz 1 40474 Düsseldorf Germany
II-6	State of nationality	DE
II-7	State of residence	DE
II-8	Telephone No.	0 61 81 / 59-39 24
II-9	Facsimile No.	0 61 81 / 59-43 04
III-1	Applicant and/or inventor	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	VERSECK, Stefan
III-1-5	Address	Alicestrasse 8 63456 Hanau Germany
III-1-6	State of nationality	DE
III-1-7	State of residence	DE

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III-2	Applicant and/or inventor	
III-2-1	This person is	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	OSSWALD, Steffen
III-2-5	Address	Landwehrstrasse 33 63517 Rodenbach Germany
III-2-6	State of nationality	DE
III-2-7	State of residence	DE
III-3	Applicant and/or inventor	
III-3-1	This person is	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	PHONG, Wai-Yee
III-3-5	Address	Blk 56, Sims Drive, #09-1089 380056 Singapore Singapore
III-3-6	State of nationality	SG
III-3-7	State of residence	SG
III-4	Applicant and/or inventor	
III-4-1	This person is	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	LIEBETON, Klaus
III-4-5	Address	Heinrichstrasse 2a 64673 Zwingenberg Germany
III-4-6	State of nationality	DE
III-4-7	State of residence	DE
III-5	Applicant and/or inventor	
III-5-1	This person is	applicant and inventor
III-5-2	Applicant for	US only
III-5-4	Name (LAST, First)	ECK, Jürgen
III-5-5	Address	Jakobsweg 48 64625 Bensheim Germany
III-5-6	State of nationality	DE
III-5-7	State of residence	DE

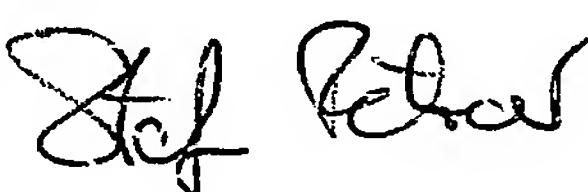
PCT REQUEST

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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	common representative	
IV-1-1	Name	DEGUSSA AG	
IV-1-2	Address	Intellectual Property Management PATENTE und MARKEN Standort Hanau Postfach 13 45 63403 Hanau Germany	
IV-1-3	Telephone No.	0 61 81 / 59-39 24	
IV-1-4	Facsimile No.	0 61 81 / 59-43 04	
V	DESIGNATIONS		
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	20 March 2004 (20.03.2004)	
VI-1-2	Number	10 2004 013 843.5	
VI-1-3	Country	DE	
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	

PCT REQUEST

Original (for SUBMISSION)

IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	
IX-2	Description (excluding sequence listing part)	35	-
IX-3	Claims	2	-
IX-4	Abstract	1	
IX-5	Drawings	5	-
IX-7a	Sub-total number of sheets	48	
IX-6a	Sequence listing part of description	26	-
IX-7	TOTAL	74	
	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet		-
IX-11	Copy of general power of attorney	reference no. AV 43529	-
IX-15	Separate indications concerning deposited microorganism or other biological material		-
IX-16(A)	Sequence listing in computer readable form		
IX-16(A) - (i)	copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)	-	1 Diskette
IX-17	PCT-SAFE physical media	-	
IX-19	Figure of the drawings which should accompany the abstract	-	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name	DEGUSSA AG	
X-1-2	Name of signatory	i. V. Dr. Stefan Retzow	
X-1-3	Capacity	AV 43529	

PCT REQUEST

Original (for SUBMISSION)

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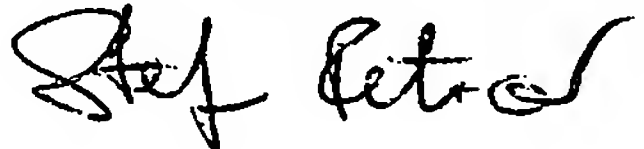
10-1	Date of actual receipt of the purported International application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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PCT (ANNEX - FEE CALCULATION SHEET)Original (for **SUBMISSION**)

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only	
0-1	International Application No.	
0-2	Date stamp of the receiving Office	
0-4	Form PCT/RO/101 (Annex)	
0-4-1	PCT Fee Calculation Sheet Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.169)
0-9	Applicant's or agent's file reference	040065 AM
2	Applicant	DEGUSSA AG
12	Calculation of prescribed fees	
12-1	Transmittal fee T	100
12-2-1	Search fee S	1550
12-2-2	International search to be carried out by EP	
12-3	International filing fee (first 30 sheets) I1	902
12-4	Remaining sheets 44	
12-5	Additional amount (X) 10	
12-6	Total additional amount I2	440
12-7	I1 + I2 = I	1342
12-12	EASY Filing reduction R	-64
12-13	Total International filing fee (I-R) I	1278
12-14	Fee for priority document	
	Number of priority documents requested 0	
12-15	Fee per document (X) 30	
12-16	Total priority document fee: P	
12-17	TOTAL FEES PAYABLE (T+S+I+P)	2928
12-19	Mode of payment	authorization to charge deposit account
12-20	Deposit account instructions	
	The receiving Office	European Patent Office (EPO) (RO/EP)
12-20-1	Authorization to charge the total fees indicated above	
12-20-2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above	
12-21	Deposit account No.	28000215
12-22	Date	17 February 2005 (17.02.2005)
12-23	Name and signature	DEGUSSA AG i. V. Dr. Stefan Retzow (AV 43529) 

PCT

Original (for SUBMISSION)

0-1	Form PCT/RO/134 (SAFE) Indications Relating to Deposited Microorganism(s) or Other Biological Material (PCT Rule 13bis)	
0-1-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.169)
0-2	International Application No.	
0-3	Applicant's or agent's file reference	040065 AM

1	The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:	
1-1	page	22
1-2	line	8-13
1-3	Identification of deposit	
1-3-1	Name of depositary institution	DSMZ DSMZ-Deutsche Sammlung von Mikroor- ganismen und Zellkulturen GmbH
1-3-2	Address of depositary institution	Mascheroder Weg 1b, D-38124 Braunschweig, Germany
1-3-3	Date of deposit	22 October 2002 (22.10.2002)
1-3-4	Accession Number	DSMZ 15261
1-5	Designated States for Which Indications are Made	all designations
2	The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:	
2-1	page	22
2-2	line	8-13
2-3	Identification of deposit	
2-3-1	Name of depositary institution	DSMZ DSMZ-Deutsche Sammlung von Mikroor- ganismen und Zellkulturen GmbH
2-3-2	Address of depositary institution	Mascheroder Weg 1b, D-38124 Braunschweig, Germany
2-3-3	Date of deposit	25 October 2002 (25.10.2002)
2-3-4	Accession Number	DSMZ 15265
2-5	Designated States for Which Indications are Made	all designations
3	The indications made below relate to the deposited microorganism(s) or other biological material referred to in the description on:	
3-1	page	22
3-2	line	8-13
3-3	Identification of deposit	
3-3-1	Name of depositary institution	DSMZ DSMZ-Deutsche Sammlung von Mikroor- ganismen und Zellkulturen GmbH
3-3-2	Address of depositary institution	Mascheroder Weg 1b, D-38124 Braunschweig, Germany
3-3-3	Date of deposit	22 October 2002 (22.10.2002)
3-3-4	Accession Number	DSMZ 15258
3-5	Designated States for Which Indications are Made	all designations

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0-4	This form was received with the International application: (yes or no)	
0-4-1	Authorized officer	

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0-5	This form was received by the International Bureau on:	
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The present invention relates to a novel system for expressing nitrile hydratase. In this system, the nitrile hydratases, which are composed of subunits, are formed such that the respective subunits are located on different plasmids and are expressed simultaneously in *E. coli*.

PCT

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13-2-7	Validation messages Contents	Green? Priority 1. The priority document is not enclosed. (The applicant must furnish it within 16 months from the earliest priority date claimed)
13-2-8	Validation messages Fees	Green? Please confirm that fee schedule utilized is the latest available
13-2-9	Validation messages Payment	Green? Please ensure that you have a valid deposit account with the receiving Office selected.

1 **ALLGEMEINE VOLLMACHT**
GENERAL AUTHORISATION
POUVOIR GENERAL

Nr. der allgemeinen Vollmacht / General Authorisation No.
N° du pouvoir général

43529

2 Ich (Wir) / I (We) / Je (Nous)

Degussa AG
Bennigsenplatz 1
D-40474 Düsseldorf

Herrn
Dr. Stefan Retzow
Degussa AG
Intellectual Property Management
Patente und Marken
Standort Wolfgang
Postfach 1345
D-63403 Hanau

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Herrn
Dr. Stefan Retzow
European Patent Attorney
Zustellungsanschrift:

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Prière de renvoyer la copie jaune au mandant, munie du n° du pouvoir général.

7 Ort / Place / Lieu Hanau

Datum / Date

26.03.2001

Unterschrift(en) / Signature(s)

Degussa AG
ppa.
Dr. Matthias Schäfer
Prokurist

ppa.
Dr. Wolfgang Weber
Prokurist

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angeben).

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of the signatory(ies) adding, in the case of legal persons, his (their) position within the company.

Le formulaire doit être signé de la propre main du (des) mandant(s) (dans le cas de personnes morales, de la personne ayant qualité pour signer). Veuillez ajouter à la machine,
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